| | Application No. | Applicant(s) | | |
|--|---|---|--|--|
| | 10/809,737 | UCKERT ET AL. | | |
| Notice of Allowability | Examiner | Art Unit | | |
| | Ling-Siu Choi | 1713 | | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. | | | | |
| 1. This communication is responsive to the Amendment filed | <u>01/16/2007</u> . | | | |
| 2. X The allowed claim(s) is/are <u>1-7, 9-10, 14- 17, and 19-21</u> . | | | | |
| 2. | | | | |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | 5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☒ Examiner's Amend 8. ☒ Examiner's Statem 9. ☒ Other <u>Supplements</u> | r (PTO-413), te ment/Comment ent of Reasons for Allowance | | |

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| , ,,, | Application No. | Applicant(s) | | |
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| supplemental | 10/809,737 | UCKERT ET AL. | | |
| Office Action Summary | Examiner | Art Unit | | |
| | Ļing-Siu Choi | 1713 | <u> </u> | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). | | | | |
| Status | | | | |
| 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowated closed in accordance with the practice under the practice of the condition of the closed in accordance. | s action is non-final. ince except for formal matters, pr | | e merits is | |
| Disposition of Claims | | | | |
| 4) Claim(s) is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examination of the drawing(s) filed on 25 March 2004 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the cor | er. a)⊠ accepted or b)□ objected or drawing(s) be held in abeyance. Section is required if the drawing(s) is old | e 37 CFR 1.85(a). Djected to. See 37 C | FR 1.121(d). | |
| Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some col None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | |
| Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date | 4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other: | Date | O-152) | |

DETAILED ACTION

1. This Office Action is in response to the Amendment filed 01/16/2007. Claims 8, 11-13, and 18 were canceled and claims 1-7, 9-10, and 14-17, and 19-21 are now pending, wherein claims 1-7 and 9-10 are drawn to a copolymer and claims 14-17 and 19-21 are drawn to an electronic device.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CAR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. John H. Lamming on January 26, 2007.

3. The application has been amended as follows:

In the Specification, page 1, below the title "BACKGROUND OF THE INVENTION", insert the following paragraph:

--This application is a Divisional of US Application No. 10/137,898, filed May 02, 2002, now US Patent No. 7,074,885, which claims the benefit of 60/288,314, filed May 03, 2001.--

Application/Control Number: 10/809,737

Art Unit: 1713

Claim 1, line 1, change "A copolymer comprising" to --A copolymer consisting essentially of--;

Claim 1, lines 2-3, delete "formula selected from the group consisting of";

Claim 21, line 2, change "a copolymer having the following formula" to --a copolymer consisting essentially of--;

Claim 21, line 4, delete "formula selected from the group consisting of".

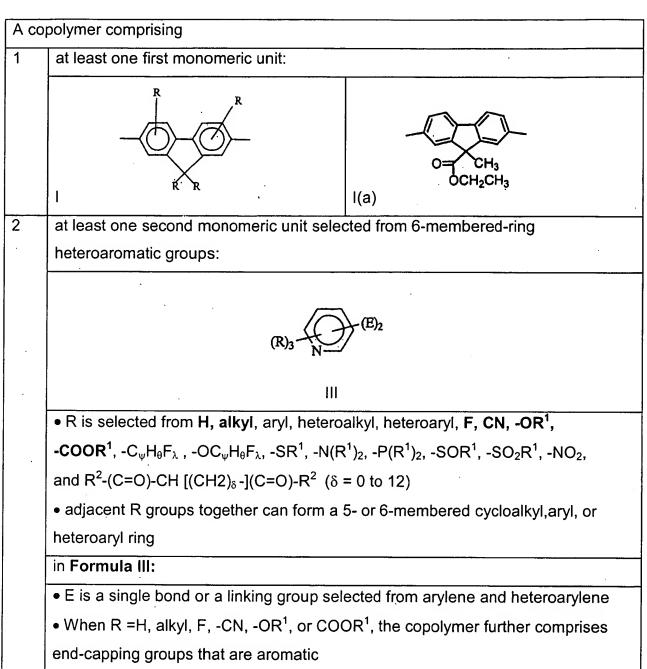
Allowable Subject Matter

- 4. Claims 1-7, 9-10, and 14-17, and 19-21 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

The present claims are allowable over the closest references: Kim et al. (US 5,876,864) and Kim et al. (US 5,807,974).

Art Unit: 1713

Summary of Claim 1:



Kim et al.'864 disclose a fluorene based alternating polymer to be used in photoluminescence and electroluminescence device:

Application/Control Number: 10/809,737

Art Unit: 1713

wherein Ar can be

(abstract; col. 5, line 20-25; claim 1). However, Kim et al. 864 do not teach or fairly suggest the claimed copolymer and the device comprising it.

Kim et al.'974 disclose a fluorene based alternating copolymer to be used as light emitting materials for an electroluminescent device:

wherein Ar can be

(abstract; col. 6, lines 1-5; Table 1-Examples 12-13; claim 1). However, Kim et al. '974 do not teach or fairly suggest the claimed copolymer and the device comprising it.

In light of the above discussion, it is evident as to why the present claims are patentable over the prior art.

Any comments considered necessary by applicant must be submitted no later

Application/Control Number: 10/809,737 Page 6

Art Unit: 1713

than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.

LING-SUI CHOI PRIMARY EXAMINER

February 1, 2007